

IN THE CLAIMS:

1. A dielectric barrier discharge type low-pressure discharge lamp comprising a tubular glass lamp vessel which is provided with an electrically conductive layer as an electrode on an outer surface of at least one end portion of the lamp vessel;

wherein the electrically conductive layer is composed of solder material on the surface of the lamp vessel, and a metal member for electric power supply is attached on the electrically conductive layer by soldering.

2. A dielectric barrier discharge type low-pressure discharge lamp according to claim 1, wherein the major component of the solder material is one selected from the group consisting of tin, an alloy of tin and indium, and an alloy of tin and bismuth, and the electrically conductive layer is formed by dipping the solder material in an ultrasonic solder tub.

3. A dielectric barrier discharge type low-pressure discharge lamp according to claim 1, wherein the metal member is a metal strip.

4. A dielectric barrier discharge type low-pressure discharge lamp according to claim 2, wherein the metal member is a metal wire which is wound around the electrically conductive layer in a coil shape and attached by soldering.

5. A dielectric barrier discharge type low-pressure discharge lamp according to claim 1, wherein the metal member is a metal wire which is wound around the electrically conductive layer in a coil shape and attached by soldering.

6. A dielectric barrier discharge type low-pressure discharge lamp according to claim 2, wherein the metal member is a metal wire which is wound around the electrically conductive layer in a coil shape and attached by soldering.

7. A dielectric barrier discharge type low-pressure discharge lamp comprising a tubular glass lamp vessel which is provided with an electrically conductive layer as an electrode on an outer surface of at least one end portion of the lamp vessel;

wherein the electrically conductive layer is composed of solder material on the surface of the lamp vessel, and a core wire of a lead wire is attached by soldering on the electrically conductive layer.

8. A dielectric barrier discharge type low-pressure discharge lamp according to claim 2, wherein the major component of the solder material is one selected from the group consisting of: tin, an alloy of tin and indium, and an alloy of tin and bismuth, and the electrically conductive layer is formed by dipping the solder material into an ultrasonic solder tub.